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TS #102400
Attachment #2

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7 February 1956

MEMORANDUM FOR: The Chairman, Guided Missiles
Intelligence Committee

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SUBJECT : U. S. Support to [REDACTED] 25X1C
Collection Project [REDACTED] 25X1C

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1. During a recent visit [REDACTED] the under-
signed was briefed [REDACTED] by [REDACTED] 25X1C
Officer [REDACTED] Details on this project, which is designed 25X1A
to collect guided missile intelligence data [REDACTED] are 25X1B
being referred to the U. S. community, as the successful develop-
ment of the equipment will depend in large measure upon considerable
assistance by the U. S. government during the test stage of the
equipment. The Office of Scientific Intelligence, CIA, had been
queried previously as to whether policy arrangements could be made
[REDACTED] to test their equipment against a U. S. guided
missile proving ground, probably White Sands. Reply was made that
the problem would be placed before the U. S. community for decision
when [REDACTED] judged the project to be technically feasible and
they provided to the U. S. details of the field test requirement.
OSI/CIA has now been informed affirmatively on the feasibility and
the details of the support needed as summarized in this memorandum.
We are calling the proposal to the attention of the Guided Missile
Intelligence Committee in the interests of getting earliest possible
community consideration and decision.

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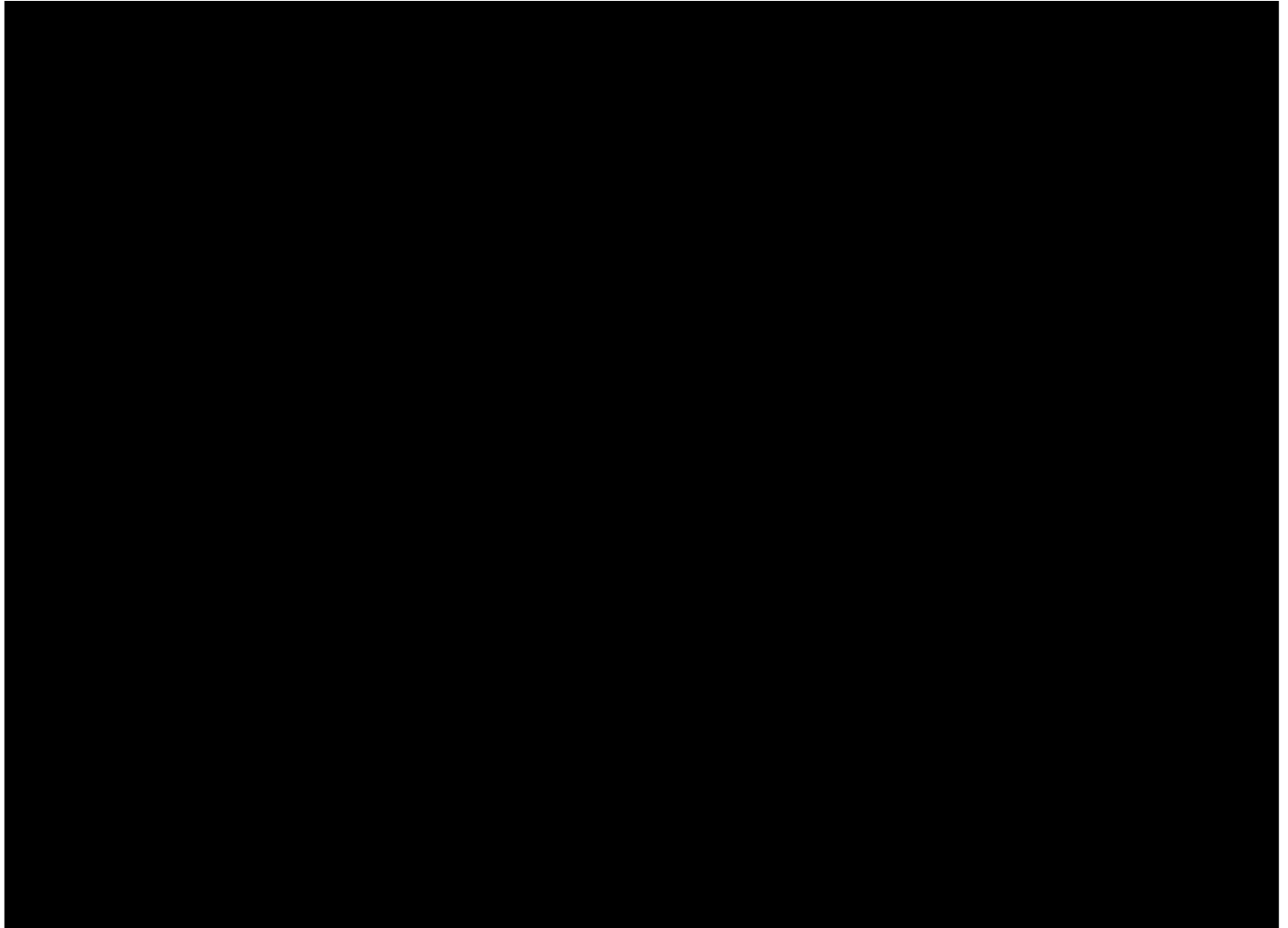
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4. Requirements and Schedule for Testing: As stated previously, in order to prove that the equipment will function properly, [REDACTED] desire to test it against approximately ten missile flights of the Corporal or Viking types (or possible Aerobee) from distances of approximately [REDACTED]. The ten missiles are requested

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[REDACTED]
etc., can be used. Other details of anticipated logistic support that will be required are summarized in paragraphs following. It is hoped that the following schedule can be met provided agreement of mutual assistance is made:

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a. Early in May 1956 - Completion of test equipment by

b. By 1 June 1956 - Installation of equipment on site and calibration completed.

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c. 1-15 June 1956 - Fire ten missiles and record results on equipment at two different sites (5 missiles w/equipment and 5 missiles w/equipment

d. Recordings and some equipment immediately after test, reduction of data made and final equipment changes made.

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e. Early September 1956 - Field equipment moved and installed on site, where it will be operated throughout the winter. The equipment must be sited before the snows fall or the operation will be delayed until 1957.

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5. Logistic Support Required

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b. Survey of Sites: The actual distance from the equipment to the firing points is not critical and ranges scaled from maps will be satisfactory. The angular accuracy or known line of direction is the line which needs be established accurately and this to $1/10^\circ$. It is believed that first order surveys to sites may be necessary in order that star data recorded may be utilized. The question as to how to accurately orient the equipment on the launching points is unresolved as yet. The possibility of utilizing initially a searchlight beam at night, from the launching points, was discussed.

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c. Security of Sites: U. S. security guards will be needed to protect the equipment from visual observance. Such precautions are considered necessary inasmuch as this will be the largest equipment of its type ever constructed and visual or photographic leaks could divulge its intended use to a trained Soviet analyst.

d. Miscellaneous Support and Equipment:

(1) Rail or air transport of the two trailers to site after debarkation on east coast with security guards for trip.

(2) Prime movers for two trailers (data concerning type of hitches will be sent at a later date, as well as gross weight of trailers).

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(3) [REDACTED] will have five or six people in the test team. They will need sleeping equipment if site is too isolated from commercial facilities. The trailer will sleep two people, and this number [REDACTED] will remain at the site at all times. They will also need field cooking equipment for this number of people plus whatever number [REDACTED] are on the site, such as security guards, etc. It was suggested that possibly some sort of deep heat electric stove of the infrared rotisserie type might be available for issue.

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(4) They will need a radio team and equipment for contact with test range so as to get count down data and for other required communications.

(5) They will need a room-type air conditioner to install in the trailer containing the recording equipment. Cubic footage of the trailer will be furnished later.

(6) They will need an auxiliary electrical generation system to furnish power for all needs except operation of the trailer equipment proper.

(7) They will need one transit.

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(8) Special weather reporting may be necessary during firings. This question will be answered at a later date.

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(10) [REDACTED] would like a check made into licensing of trailers so they can be towed to sites.

(11) They will need one vehicle (probably sedan) for moving personnel from site to sleeping quarters, etc.

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[REDACTED]

7. There are some items of data upon which [REDACTED] would like to be informed as early as possible: 25X1C

a. Can as many as ten ballistic type missiles be fired at White Sands Proving Ground during a fifteen-day period of 1-15 June 1956? These missiles do not have to be fired specially for the infrared test, but can be those fired in the regular R&D activities of the Proving Ground.

b. On each type missile which can be fired during the above test period the following data is desired:

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25X1C 8. [REDACTED] were also desirous of ascertaining whether it would be possible for Mount Wilson Observatory to aluminize the mirror following the tests and prior to return of the equipment [REDACTED]

9. Recommendations: It is recommended that:

a. Study be made of the [REDACTED] request with a view toward determining the community's interest and ability to support the testing phase of [REDACTED] equipment. 25X1C 25X1C

b. Reply be forwarded [REDACTED] position by about 1 March 1956. 25X1C

/s/ [REDACTED]

CIA Member

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